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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/517,244		12/07/2004	Hiroyuki Morioka	112857-402	3110 .
29175	7590	08/05/2005	·	EXAMINER	
BELL, BOYD & LLOYD, LLC				MEDINA SANABRIA, MARIBEL	
P. O. BOX CHICAGO,		90-1135		ART UNIT PAPER NUMBER	
				1754	

DATE MAILED: 08/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			h
	Application No.	Applicant(s)	
Office Action Summany	10/517,244	MORIOKA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Maribel Medina	1754	
The MAILING DATE of this commun Period for Reply	ication appears on the cover sheet	t with the correspondence ad	dress
A SHORTENED STATUTORY PERIOD F THE MAILING DATE OF THIS COMMUNI  - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this comm  - If the period for reply specified above is less than thirty (3  - If NO period for reply is specified above, the maximum st  - Failure to reply within the set or extended period for reply Any reply received by the Office later than three months a earned patent term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(a). In no event, however, majorization. 0) days, a reply within the statutory minimum of atutory period will apply and will expire SIX (6) Nowill, by statute, cause the application to become	y a reply be timely filed thirty (30) days will be considered timely MONTHS from the mailing date of this core BABANDONED (35 U.S.C. § 133).	
Status			
1)⊠ Responsive to communication(s) file	ed on 07 December 2004		
	2b)⊠ This action is non-final.		
3)☐ Since this application is in condition	,—	natters, prosecution as to the	e merits is
closed in accordance with the practi		· ·	
Disposition of Claims			
4) ⊠ Claim(s) 14-26 is/are pending in the 4a) Of the above claim(s) is/a  5) □ Claim(s) is/are allowed.  6) ⊠ Claim(s) 14-26 is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restrict	re withdrawn from consideration.		
Application Papers			
9) The specification is objected to by the 10) The drawing(s) filed on <u>07 December</u> Applicant may not request that any objected to a specific production of the production o	$r = 2004$ is/are: a) $\square$ accepted or bection to the drawing(s) be held in abection is required if the draw	yance. See 37 CFR 1.85(a). ing(s) is objected to. See 37 CF	FR 1.121(d).
Priority under 35 U.S.C. § 119			
12) △ Acknowledgment is made of a claim  a) △ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority  2. □ Certified copies of the priority  3. △ Copies of the certified copies	documents have been received. documents have been received in of the priority documents have be anal Bureau (PCT Rule 17.2(a)).	n Application No een received in this National	Stage
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (F3) Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date 2/14/05, 3/28/05.	PTO-948) Paper	ew Summary (PTO-413) No(s)/Mail Date of Informal Patent Application (PTC 	D-152)



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### **DETAILED ACTION**

## **Abstract**

1. The abstract of the disclosure is objected to because it has more than 1 paragraph.

Correction is required. See MPEP § 608.01(b).

2. Applicant is reminded of the proper content of an abstract of the disclosure.

A patent abstract is a concise statement of the technical disclosure of the patent and should include that which is new in the art to which the invention pertains. If the patent is of a basic nature, the entire technical disclosure may be new in the art, and the abstract should be directed to the entire disclosure. If the patent is in the nature of an improvement in an old apparatus, process, product, or composition, the abstract should include the technical disclosure of the improvement. In certain patents, particularly those for compounds and compositions, wherein the process for making and/or the use thereof are not obvious, the abstract should set forth a process for making and/or use thereof. If the new technical disclosure involves modifications or alternatives, the abstract should mention by way of example the preferred modification or alternative.

The abstract should not refer to purported merits or speculative applications of the invention and should not compare the invention with the prior art.

Where applicable, the abstract should include the following:

- (1) if a machine or apparatus, its organization and operation;
- (2) if an article, its method of making;
- (3) if a chemical compound, its identity and use;
- (4) if a mixture, its ingredients;
- (5) if a process, the steps.

Extensive mechanical and design details of apparatus should not be given.

#### Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 14-26 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by US Patent No. 6,773692 B2 (Pecharsky et al).

Pecharsky et al disclose the instantly claimed hydrogen occluding material and the method of using the hydrogen occluding material. Regarding claim 1 Pecharsky et al disclose in col. 4, line 14 a solid hydride of formula AlH<sub>3</sub>. Regarding claims 15, 16, 21 and 22 Pecharsky et al disclose that the hydride releases hydrogen at temperature in the range from –200°C to about 100°C (See col. 4, line 65 to col. 5, line 5). Regarding claims 17-19 and 23-25, Pecharsky et al disclose the use of a catalyst in combination with the hydride, the catalyst selected from metals belonging to groups III to V of the periodic table (See col. 4, lines 42-52). Regarding claim 20 and 26, Pecharsky et al disclose that the catalyst and hydride are powders (See col. 5, line 60). No difference is seen between the instantly claimed invention and Pecharsky et al.

## Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maribel Medina whose telephone number is (571) 272-1355.

The examiner can normally be reached on Monday through Thursday from 8:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on (571) 272-1358. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Maribel Medina Examiner

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